Bottom Production[*]

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Introduction

In the context of the LHC experiments, the physics of bottom flavoured hadrons enters in different contexts. It can be used for QCD test, it affects the possibilities of B decay studies, and it is an important source of background for several processes of interest.

The physics of b production at hadron colliders has a rather long story, dating back to its first observation in the UA1 experiment. Subsequently, b production has been studied at the Tevatron. Besides the transverse momentum spectrum of a single b, it has also become possible, in recent time, to study correlations in the production characteristics of the b and the $\overline{b}$.

At the LHC new opportunities will be offered by the high statistics and high energy reach. One expects to be able to study the transverse momentum spectrum at higher transverse momenta, and also to exploit the large statistics to perform more accurate studies of correlations.

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